#### Message

From: Fullagar, Jill [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP

(FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=7BA061353C314B40A14A8BE1EE382AE3-GABLE, JILL]

**Sent**: 3/3/2016 12:38:41 AM

To: Labiosa, Rochelle [/o=ExchangeLabs/ou=Exchange Administrative Group

(FYDIBOHF23SPDLT)/cn=Recipients/cn=ded3654216c9461d95cd5a3ceec507ef-Labiosa, Rochelle]; Brown, Cheryl A.

[/o=ExchangeLabs/ou=Exchange Administrative Group

(FYDIBOHF23SPDLT)/cn=Recipients/cn=dd6f8a562924439aaf97ca98ddaf1e10-Brown, Cheryl]; Cox, Michael

[/o=ExchangeLabs/ou=Exchange Administrative Group

(FYDIBOHF23SPDLT)/cn=Recipients/cn=cddd6a5bb3c2477183799ef56cdb464f-Cox, Michael]; Cope, Ben

[/o=ExchangeLabs/ou=Exchange Administrative Group

(FYDIBOHF23SPDLT)/cn=Recipients/cn=497efadd936e4d378225116b8f50fd3f-Cope, Ben]; Cora, Lori

[/o=ExchangeLabs/ou=Exchange Administrative Group

(FYDIBOHF23SPDLT)/cn=Recipients/cn=c8850941bf1540c796559dce75c2f5ee-Cora, Lori]

**Subject**: RE: OA Info/Ideas from the call

## **Deliberative Process / Ex. 5**

Jill Fullagar, Impaired Waters Coordinator
Watershed Unit, Office of Water and Watersheds
US EPA, Region 10
1200 Sixth Avenue, Suite 900 (OWW-192)
Seattle, WA 98101-3140
(206) 553-2582, (206) 553-1280 (fax)
fullagar.jill@epa.gov

From: Labiosa, Rochelle

Sent: Tuesday, March 01, 2016 9:15 AM

To: Brown, Cheryl A. <Brown.Cheryl@epa.gov>; Cox, Michael <Cox.Michael@epa.gov>; Fullagar, Jill

<Fullagar.Jill@epa.gov>; Cope, Ben <Cope.Ben@epa.gov>; Cora, Lori <Cora.Lori@epa.gov>

Subject: RE: OA Info/Ideas from the call

# **Deliberative Process / Ex. 5**

Rochelle Labiosa, Ph.D.
Office of Water and Watersheds
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Seattle, WA 98101-3140

Ph: 206.553.1172 Fax: (206) 553-0165

From: Brown, Cheryl A.

Sent: Monday, February 29, 2016 2:12 PM

**To:** Cox, Michael < Cox.Michael@epa.gov >; Fullagar, Jill < Fullagar.Jill@epa.gov >; Labiosa, Rochelle < labiosa.rochelle@epa.gov >; Cope, Ben < Cope.Ben@epa.gov >; Cora, Lori < Cora.Lori@epa.gov >

Subject: RE: OA Info/Ideas from the call

I just chatted with Bill Peterson. Unfortunately, the results on the decline in pteropods on the Newport line is not published yet.

It hasn't been submitted yet, but he plans on completing it within a year (possibly submitting within a few months). He did state that there does appear to be a decline in pteropods in nearshore waters (NH-5) during the summer periods, which coincides with the occurrence of undersaturated waters.

Chervl

From: Brown, Cheryl A.

**Sent:** Monday, February 29, 2016 11:25 AM

To: Cox, Michael <Cox.Michael@epa.gov>; Fullagar, Jill <Fullagar.Jill@epa.gov>; Labiosa, Rochelle <a href="mailto:</a>clabiosa.rochelle@epa.gov>; Cope, Ben <Cope.Ben@epa.gov>; Cora, Lori <Cora.Lori@epa.gov>

Subject: RE: OA Info/Ideas from the call

Hi,

I'm still trying to get in touch with Bill Peterson to find out the status of the work;

however, I found a presentation on line which shows some of his pteropod data from the Newport line (NH-5, NH-10, etc).

These plots confirm that Limacina helicina occur in the nearshore waters Deliberative Process / Ex. 5

To see a time series of Limacina look at slide 59 and 60 of the following presentation:

http://www.psmfc.org/wp-content/uploads/2011/08/PSMFC\_Annual\_Meeting\_2011\_peterson.pdf

### **Deliberative Process / Ex. 5**

hopefully we will be able to locate a publication or

request this

Federal dataset (NOAA).

Although this isn't the presentation I cited in the previous email,

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### **Deliberative Process / Ex. 5**

I have the latitude and longitude of NH-5 and can confirm this if needed.

In addition, a decline in pteropods has been found off of Vancouver Island (see attached publication

## **Deliberative Process / Ex. 5**

There are definitely data available from the Newport line,

Deliberative Process / Ex. 5

Deliberative Process / Ex. 5

Deliberative Process / Ex. 5 using the Juranek et al paper.

Hopefully, we will be able to find out soon whether the Newport line pteropoda data set are published.

Cheryl

Cheryl A. Brown, Ph.D. | Research Oceanographer | U.S. EPA | Office of Research and Development | National Health and Environmental Effects Research Laboratory | Western Ecology Division | 2111 SE Marine Science Center Drive, Newport, Oregon 97365 | 541-867-4042 | brown.cheryl@epa.gov | https://www.researchgate.net/profile/Cheryl\_Brown8